|  | ı | ı | r | Ì | a | l | е | ) | K | ( | ) | 1 | F | ( | ( | ; | 1 | ć | 3 | i | r | 7 | 1 | S | ; |  |  |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | I |   |  |  |  |

| Application | /Control No. |
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10/523,565

Examiner

Date

HUNG T. NGUYEN

Applicant(s)/Patent under Reexamination

BUSSE ET AL.

Art Unit

2841

Rejected Allowed

(Through numeral) Cancelled

Claim

Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

|  |                                 |  |          |              |  | _            | ı        |          | _  |          |
|--|---------------------------------|--|----------|--------------|--|--------------|----------|----------|--|----------|
| Cla  | im                              | Γ  |          |              | [  | Date         | <u> </u> |          |  |          |
| <del>                                     </del> |                                 |  |          | Γ-           | Γ.   | <u> </u>     |          |          |  | П        |
| <u>a</u>   | Original                        |  |          |              |  |              |          |          |  |          |
| Final  | īĝ                              |  |          |              |  |              |          |          |  |          |
| -  | 0                               |  |          |              |  |              |          |          |  |          |
|  | 1                               | 1  |          | -            | <del></del>                                      | H            |          |          | $\vdash$   | Н        |
| <u> </u>   | 2                               | Ì  | _        | ┢            | 一  | <del> </del> |          |          | $\vdash$   | Н        |
|  | 3                               | 1  | _        | $\vdash$     | H  | $\vdash$     |          |          | $\vdash$   | $\vdash$ |
| <u> </u>   | 4                               |  |          |              | H  | H            |          |          |  | Н        |
| <u> </u>   | 1<br>2<br>3<br>4<br>5<br>6<br>7 | 7 7 7  | _        | _            | $\vdash$   | _            | _        |          |  | _        |
| <b></b> -  | 6                               | Ì  | _        | -            | -  | -            | _        | -        |  | -        |
| ├──  | 7                               | J  | _        | -            | -  | -            |          |          |  |          |
| $\vdash$   | 8                               | V  |          | -            | $\vdash$   |              |          | _        | -  |          |
|  | 9                               | V  | _        | _            | _  | ┢            |          | _        |  | -        |
|  | 10                              | Ī  | _        | -            | _  |              |          | _        | _  |          |
|  | 11                              | 77777  |          |              | $\vdash$   |              |          | $\vdash$ | $\vdash$   | Н        |
|  | 12                              | 1  | <u> </u> | <u> </u>     |  | _            |          | Т        | Т  | Н        |
|  | 13                              |  |          | <u> </u>     | <u> </u>   |              | Н        | _        |  | $\vdash$ |
|  | 13<br>14<br>15                  |  |          | T-           |  |              |          |          |  | П        |
|  | 15                              |  |          |              |  |              |          |          |  |          |
|  | 16<br>17                        |  | _        | <del> </del> | <del>                                     </del> | $t^-$        | Г        |          |  | П        |
|  | 17                              |  |          |              |  |              |          |          |  |          |
|  | 18                              |  |          |              |  |              |          |          | Г  |          |
|  | 18<br>19                        | $\vdash$   |          |              |  | _            |          | _        | $\vdash$   |          |
|  | 20                              |  |          |              |  |              |          |          |  |          |
|  | 21                              |  |          |              |  |              |          |          | _  |          |
|  | 22                              |  | _        |              |  | $\vdash$     |          | _        | ┪  |          |
|  | 21<br>22<br>23                  | $\vdash$   |          |              |  |              |          | _        | <del>                                     </del> | _        |
|  | 24                              |  |          |              |  |              |          |          | <u> </u>   | -        |
|  | 24<br>25                        | $\vdash$   |          |              |  |              |          |          |  |          |
|  | 26                              | <u> </u>   |          |              |  | _            |          |          |  |          |
|  | 26<br>27<br>28                  |  |          |              |  |              |          | _        |  |          |
|  | 28                              | T  |          |              |  |              |          | _        |  |          |
|  | 29                              |  |          |              |  |              |          |          |  |          |
|  | 30                              |  |          |              |  |              |          |          | _  |          |
|  | 31                              | Г  |          |              |  |              |          |          | $\vdash$   |          |
| h  | 32                              |  | -        |              |  |              | Г        |          | Г  | П        |
|  | 32<br>33                        | Г  |          | T            |  | T            | Г        | П        | $\vdash$   | $\Box$   |
| <u> </u>   | 34                              | Г  | <u> </u> |              |  |              |          |          | $\vdash$   |          |
|  | 35                              |  |          |              |  |              |          |          |  |          |
|  | 36                              | Г  | _        |              |  |              | П        | П        |  |          |
|  | 37                              | <del>                                     </del> |          |              |  |              |          |          |  |          |
|  | 38                              |  |          | Г            |  | T            | Γ        |          |  |          |
|  | 39                              |  |          |              | Ī  |              |          |          |  |          |
|  | 40                              |  |          | Γ            | <del>                                     </del> |              | Г        |          | Г  | П        |
|  | 41                              | Ι  |          | Г            |  | $\vdash$     |          |          |  |          |
|  | 42                              | T  | <u> </u> | <u> </u>     |  | T            |          |          |  |          |
|  | 43                              |  |          |              |  |              |          |          |  |          |
|  | 44                              | T  |          | T            | Г  | Т            | <u> </u> |          | <del>                                     </del> |          |
|  | 45                              | Т  | <u> </u> | Г            | Т  | Т            | Г        | Т        | _  |          |
|  | 46                              | T  |          |              | Т  | I            | Г        |          | $\vdash$   | П        |
|  | 47                              | $\vdash$   |          | $\vdash$     | Т  | T            |          | $\vdash$ | $\vdash$   |          |
|  | 48                              | Т  |          | Г            |  | Τ            | $T^-$    | $\vdash$ | $\vdash$   | Г        |
|  | 49                              | Г  |          |              | Г  | Г            | $\Box$   |          | $\vdash$   |          |
|  | 50                              | † <u> </u>                                       | _        | Ι .          | Г  | T            | Г        |          | _  |          |

| 710       | HILL     | _        |              |          |          | Jak      |                                     |          |          |                    | Į I | Ciè   | IIIII .  | Ь.,  |              |  |              | Jau  | <u> </u>   |  |          | _               |
|-----------|----------|----------|--------------|----------|----------|----------|-------------------------------------|----------|----------|--------------------|-----|-------|----------|--|--------------|--|--------------|--|--|--|----------|-----------------|
| 5         | Original |          |              |          |          |          |                                     |          |          |                    |     | Final | Original |  |              |  |              |  |  |  |          |                 |
|           | 1        | 1        |              |          |          |          |                                     |          |          |                    |     |       | 51       |  |              |  |              |  |  |  |          | П               |
|           | 2        | 1        |              |          |          |          |                                     |          | Г        | $\overline{}$      |     |       | 52       |  |              |  |              |  |  |  |          | $\Box$          |
|           | 3        | 1        |              |          |          |          |                                     |          |          | $\vdash$           |     |       | 53       | T  |              |  |              | $\vdash$   | _  |  |          | П               |
| -         | 3        | 1        |              |          |          |          |                                     |          |          | $\vdash$           |     |       | 54       |  |              |  |              | $\vdash$   |  |  |          | -               |
| $\dashv$  | 5        | Ì        | _            | _        | $\vdash$ | _        | _                                   | -        |          | ├─                 |     |       | 55       | $\vdash$   | -            |  |              | $\vdash$   | _  |  | Н        | Н               |
| -         | 6        | 1        | _            | -        | -        | -        | _                                   | -        |          | -                  |     |       | 56       | _  | -            |  | _            | ⊢  | $\vdash$   |  | Н        | Н               |
| -         | 7        | 1        |              | -        | _        | _        |                                     | -        |          |                    |     |       |          | -  |              |  |              | ⊢  | <u> </u>   |  | Н        | Н               |
| $\dashv$  | <u>′</u> | 1        |              |          | _        |          |                                     | -        |          |                    |     |       | 57       |  | _            |  | _            | -  | -  | -  | Н        | $\vdash \vdash$ |
| -         | 8        |          | -            |          |          | _        |                                     | _        | <u> </u> | <del> </del>       |     |       | 58       | -  |              | _  |              | <u> </u>   |  |  | H        | $\vdash$        |
| _         | 9        | 1        | _            |          |          |          |                                     |          |          | <u> </u>           |     |       | 59       | L  |              |  |              | <u> </u>   |  |  | Ш        | Н               |
| _         | 10       | <b>√</b> | _            |          |          |          |                                     | _        |          | <u> </u>           |     |       | 60       | _  |              | <u> </u>   |              | <u> </u>   | _  | _  | Ш        | Н               |
|           | 11       | ٧        | L            |          |          |          |                                     |          |          | ļ                  |     |       | 61       |  |              |  |              |  |  |  | Ш        | Ш               |
|           | 12       | 1        |              |          |          |          |                                     |          | _        | <u> </u>           |     |       | 62       | _  |              |  |              | _  |  |  | Ш        | Ш               |
|           | 13       |          |              | ·        |          |          |                                     |          |          |                    |     |       | 63       |  |              |  |              |  |  |  |          | Ш               |
|           | 14       |          |              |          | _        |          |                                     |          |          |                    |     |       | 64       |  |              |  |              |  |  |  |          |                 |
|           | 15       |          |              |          |          |          |                                     |          |          |                    | 1   |       | 65       |  |              |  |              | 1  |  |  |          |                 |
|           | 16       |          |              |          |          |          |                                     |          | Г        |                    | i   |       | 66       |  |              |  |              |  |  |  |          | П               |
|           | 17       |          |              |          |          |          |                                     |          |          |                    | İ   |       | 67       |  |              |  |              |  |  |  |          | П               |
|           | 18       |          |              |          |          |          |                                     | _        | _        | _                  | l   |       | 68       | <del>                                     </del> | _            |  |              |  |  | $\vdash$   |          | П               |
| $\exists$ | 19       | $\vdash$ |              |          | $\vdash$ | _        | _                                   | _        | ╁─       | ┢                  | ł   |       | 69       | ┢  |              |  |              |  |  | <del>                                     </del> |          | М               |
| -         | 20       |          |              |          |          |          |                                     |          |          |                    |     |       | 70       | ┢  | _            |  |              |  | $\vdash$   | $\vdash$   | Н        | Н               |
| $\dashv$  | 21       |          |              |          | -        | -        |                                     |          | -        |                    |     |       | 71       |  | -            | _  |              |  |  | $\vdash$   | Н        | $\vdash$        |
| -         | 22       | -        | <del> </del> | -        |          | _        | _                                   | _        | -        | _                  |     |       | 72       |  |              | _  |              |  |  | $\vdash$   | Н        | $\vdash$        |
| -         | 22       | $\vdash$ |              |          | _        | _        |                                     |          |          |                    | ł   |       | 73       | -  | -            | $\vdash$   | _            | -  | ┢  | ┝  | $\vdash$ | $\vdash$        |
| _         | 23       | ├        |              | <u> </u> | <u> </u> | _        | _                                   | -        |          | -                  |     | ļ     | 74       | H  | H            | _  |              | <del> </del>                                     | <del> </del>                                     | <u> </u>   | Н        | $\vdash$        |
| _         | 24       | <u> </u> |              | _        | _        | _        | _                                   | _        | <u> </u> | _                  | l   |       | 74       | <u> </u>   | _            | _  |              | -  | ļ  | <u> </u>   | $\vdash$ | Н               |
| _         | 25       | <u> </u> | -            | _        |          |          |                                     | _        |          |                    |     |       | 75       |  | L            | ļ  |              | <u> </u>   | <u> </u>   |  | $\vdash$ | $\vdash \vdash$ |
| _         | 26       | _        |              |          |          |          |                                     |          | ļ        | L                  |     |       | 76       |  | L.,          |  |              | <u> </u>   | _  | <u> </u>   |          | <u> </u>        |
| _         | 27       |          |              |          | Щ        |          |                                     |          | L_       |                    |     |       | 77       | L  |              |  | _            | L  | <u> </u>   | <u> </u>   |          | Ш               |
|           | 28       |          |              |          |          |          |                                     |          |          |                    |     |       | 78       |  |              |  |              |  |  |  |          | Ш               |
|           | 29       |          |              |          |          |          |                                     |          |          |                    |     |       | 79       |  |              |  |              |  |  |  |          | Ш               |
|           | 30       |          |              |          |          |          |                                     |          |          |                    |     |       | 80       |  |              |  |              |  |  |  |          |                 |
|           | 31       | П        |              |          |          |          |                                     |          |          |                    |     |       | 81       |  |              |  |              |  |  |  |          | П               |
|           | 32       |          |              |          |          |          |                                     |          |          |                    | 1   |       | 82       |  |              |  |              |  |  |  |          | П               |
|           | 33       |          |              |          |          |          |                                     |          |          |                    | 1   |       | 83       |  |              |  |              |  |  |  |          | П               |
|           | 34       | Г        |              |          | _        |          |                                     |          | $\vdash$ |                    | 1   |       | 84       |  |              |  |              |  |  | _  |          | П               |
|           | 35       | $\vdash$ |              |          | Г        | _        |                                     | -        | _        | _                  | 1   |       | 85       |  |              |  | _            | Г  |  |  | П        | П               |
| ┪         | 36       | $\vdash$ | _            |          |          | _        | -                                   | _        | $\vdash$ | $\vdash$           | 1   |       | 86       |  |              |  |              |  |  |  | Н        | М               |
| $\dashv$  | 37       |          | <del></del>  | _        | -        | -        | т                                   | _        | $\vdash$ | $\vdash$           | 1   |       | 87       | $\vdash$   | $\vdash$     |  |              | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | Н        | $\vdash$        |
| $\dashv$  | 38       | $\vdash$ |              | $\vdash$ | $\vdash$ |          | ┝                                   | -        | -        | $\vdash$           | ĺ   |       | 88       | <del> </del>                                     | <del> </del> | <del>                                     </del> | $\vdash$     | $\vdash$   |  | $\vdash$   | H        | Н               |
| -         | 39       | -        | -            | -        | -        | -        | -                                   | -        | -        | $\vdash$           | l   |       | 89       | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$ | $\vdash$        |
| $\dashv$  |          |          |              | $\vdash$ | -        | $\vdash$ | $\vdash$                            | _        | $\vdash$ | $\vdash$           | ł   |       | 90       | -  |              | ├  | $\vdash$     | <del>                                     </del> | -  | $\vdash$   | H        | $\vdash$        |
| -         | 40<br>41 | ├        |              | $\vdash$ |          | $\vdash$ | $\vdash$                            | $\vdash$ | $\vdash$ | $\vdash$           | ł   |       | 91       | $\vdash$   |              |  | -            | $\vdash$   | -  | $\vdash$   | Н        | $\vdash$        |
| -         |          | $\vdash$ |              | <u> </u> | $\vdash$ | $\vdash$ | $\vdash$                            | $\vdash$ | -        | -                  | 1   |       |          | ├  | $\vdash$     | ├—   | <del> </del> | ├  | -  | <del> </del>                                     | Н        | $\vdash \vdash$ |
| _         | 42       |          | <u> </u>     | <u> </u> |          | _        |                                     | _        | _        | _                  | l   |       | 92       | <u> </u>   | _            | _  |              | <del> </del>                                     | <u> </u>   | <u> </u>   | Н        | $\vdash$        |
| _         | 43       | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | $\vdash$ | <u> </u>                            | <u> </u> |          |                    | l   |       | 93       | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>   | $\vdash$   | Щ        | Н               |
| _         | 44       | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | ldash                               | <u> </u> | <u> </u> | <u> </u>           |     |       | 94       | <u> </u>   | <u> </u>     |  | L_           | <u> </u>   | <u> </u>   | <u> </u>   | Ш        | Ц               |
|           | 45       | <u> </u> | <u> </u>     | <u></u>  | <u> </u> | <u></u>  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u></u>  | <u> </u> | <u> </u>           | l   |       | 95       | <u>L</u>   | L.           | L  | <u> </u>     | <u> </u>   | <u> </u>   | <u> </u>   |          | Ц               |
|           | 46       | <u> </u> | L_           | L_       | <u> </u> |          | _                                   |          | <u> </u> | <u> </u>           | Į   |       | 96       | <u> </u>   | L            | L_   | L            |  | <u> </u>   | <u>_</u>   |          | Ш               |
|           | 47       | L        | L            | L        | _        |          |                                     | _        | _        |                    |     |       | 97       | _  | _            |  | L            | L  | _  |  |          |                 |
|           | 48       | $\Box$   | L            |          |          |          | L                                   |          |          | $oxedsymbol{oxed}$ | Į   |       | 98       | 匚  |              |  |              | $\Box$   |  |  |          |                 |
|           | 49       |          |              |          |          |          |                                     |          |          |                    |     |       | 99       |  |              |  |              |  |  |  |          |                 |
|           | 50       |          |              |          |          |          |                                     |          |          |                    | ]   |       | 100      |  |              |  |              |  |  |  |          |                 |
|           |          |          |              |          |          |          |                                     | _        |          |                    | •   |       |          |  | -            |  |              |  |  |  | •        | —               |

| Cli   | aim  |  |          |  |   | Date     | =        |              |              | $\neg$          |
|-------|--|--|----------|--|---|----------|----------|--------------|--------------|-----------------|
|       |  |  |          |  |   |          |          |              |              |                 |
| Final | Original   |  |          |  |   |          |          |              |              |                 |
| ш     | ō  |  |          |  |   |          |          |              |              |                 |
|       | 101  |  |          |  |   |          |          |              |              |                 |
|       | 102  |  |          |  |   |          |          |              |              |                 |
|       | 102<br>103   |  |          |  |   |          |          |              |              | $\Box$          |
|       | 104<br>105   | _  |          |  |   |          |          |              |              | $\sqcup$        |
|       | 105  |  |          |  |   |          |          |              |              | Щ               |
|       | 106  | _  |          | _  |   |          |          |              |              | Ш               |
|       | 107<br>108   |  |          |  |   |          | _        |              |              | $\vdash$        |
|       | 108  |  |          |  |   |          |          |              |              | Н               |
|       | 110  | -  |          | -  |   |          | -        |              |              | Н               |
|       | 111  |  |          |  |   |          |          | -            |              | Н               |
|       | 112  |  |          | $\vdash$   |   |          |          |              |              | $\dashv$        |
| -     | 113  | $\vdash$   | $\vdash$ | <u> </u>   | - |          | Н        |              | Н            | Н               |
|       | 110<br>111<br>112<br>113<br>114<br>115<br>116<br>117 |  |          |  |   |          |          | _            |              | $\vdash$        |
|       | 115  |  |          |  |   |          | П        |              |              | П               |
|       | 116  |  |          |  |   |          |          |              |              |                 |
|       | 117  |  |          |  |   |          |          |              |              |                 |
|       | 118<br>119   |  |          |  |   |          |          |              |              |                 |
|       | 119  |  |          |  |   |          |          |              |              |                 |
|       | 120  | L_   |          |  |   |          |          |              |              |                 |
|       | 121  | lacksquare                                       |          |  |   | _        |          | _            |              |                 |
|       | 122  |  |          | _  |   |          |          | <u> </u>     |              | _               |
|       | 121<br>122<br>123<br>124<br>125                      | _  |          |  |   | $\vdash$ | -        | _            |              |                 |
|       | 125  | ⊢  | _        | -  |   | H        | H        | $\vdash$     |              | H               |
|       | 126<br>127<br>128                                    | -  |          |  |   | _        | -        | $\vdash$     | $\vdash$     | H               |
|       | 127  | -  | _        | _  | Н |          | -        | -            |              | H               |
|       | 128  | -  | _        |  | _ | Н        |          |              |              |                 |
|       | 129<br>130<br>131                                    |  |          |  |   | Г        |          |              |              |                 |
|       | 130  |  |          |  |   |          |          |              |              |                 |
|       | 131  |  |          |  |   |          |          |              |              |                 |
|       | 132<br>133   |  |          |  |   |          |          |              |              |                 |
|       | 133  |  |          |  |   |          |          |              |              |                 |
|       | 134<br>135   |  |          |  | _ |          |          |              | <u>_</u>     | Ш               |
|       | 135  | _  | _        | _  | _ |          | <u> </u> | <u> </u>     | _            |                 |
|       | 136  |  |          |  |   | <u> </u> | <u> </u> |              |              | _               |
|       | 137<br>138   | _  | _        |  | _ | _        | _        | <u> </u>     | <u> </u>     | $\vdash$        |
|       | 139  |  |          | _  |   | _        | -        | <del> </del> |              |                 |
|       | 140  | H  |          | -  |   |          | ├─       | -            | <del> </del> | Н               |
|       | 141  | $\vdash$   |          |  | - | $\vdash$ | -        | ┝            | -            | H               |
|       | 142  | $\vdash$   |          | $\vdash$   | - | -        | 一        | $\vdash$     | $\vdash$     | $\vdash \vdash$ |
|       | 143  | <del>                                     </del> | -        | <del>                                     </del> | Н | H        | $\vdash$ | $\vdash$     | $\vdash$     | H               |
|       | 144  | T  | -        |  | H | ┢        | $\vdash$ | Н            | $\vdash$     | Н               |
|       | 145  | Г  |          |  | Г | Г        | Г        |              | Г            | П               |
|       | 146  |  |          |  |   |          |          |              |              |                 |
|       | 147  |  |          |  |   |          |          |              |              |                 |
|       | 148  |  |          |  |   |          |          |              |              |                 |
|       | 149  |  |          | L  | Ĺ |          |          | $\Box$       |              |                 |
|       | 150  |  |          |  |   |          | L        | L            | <u> </u>     | Ш               |